

US 20160187103A1

(19) United States

(12) Patent Application Publication Coats

(10) Pub. No.: US 2016/0187103 A1

(43) **Pub. Date:** Jun. 30, 2016

(54) VERIFICATION OF GARMENT PROPERTIES USING MULTIPLE TEST COUPONS

(71) Applicant: **Phalanx Defense Systems, LLC**, Gainesville, FL (US)

- (72) Inventor: **James Coats**, Gainesville, FL (US)
- (73) Assignee: **Phalanx Defense Systems, LLC**, Gainesville, FL (US)
- (21) Appl. No.: 14/990,848
- (22) Filed: Jan. 8, 2016

Related U.S. Application Data

- (63) Continuation-in-part of application No. 14/770,129, filed as application No. PCT/US15/32208 on May 22, 2015.
- (60) Provisional application No. 62/031,228, filed on Jul. 31, 2014.

Publication Classification

(51) Int. Cl. F41H 1/02 (2006.01) A41D 27/20 (2006.01)

(52) U.S. Cl. CPC . F41H 1/02 (2013.01); A41D 27/20 (2013.01)

(57) ABSTRACT

Multiple test coupons are incorporated in the construction of a personal garment for the purpose of determining the presence of foreign substances acquired during garment use or a change in properties or other change in characteristics over time. Each of the test coupons is retained with the garment during the useful life of the garment until the coupon is individually removed for test purposes. Each test coupon has a construction identical to the garment construction and is easily removable and configured to allow for destructive testing. Sufficient multiple coupons are provided with each garment over its life to allow for periodic testing.

